-37-

An interior rearview mirror mounting system for use on an automobile comprising:

a laminated windshield;

said windshield comprising a first bent glass panel having a front surface and a rear surface, and a second bent glass panel having a front surface and a rear surface;

a sheet of polymeric interlayer disposed between the rear surface of said first panel and the front surface of said second panel wherein said polymeric interlayer laminates said first and second panel together;

a mirror mounting button adhered to said rear surface of said second panel by a layer of substantially cured adhesive;

said layer of substantially cured adhesive being formed by disposing a film of a one-package, structural adhesive between said rear surface of said second panel and said mirror mounting button, and curing said film in an autoclave process to form a joint between said button and said windshield suitable to support an interior rearview mirror assembly; and

said film of structural adhesive comprising an epoxy resin and a latent hardener.

21
~~38~~ 29

The mirror mounting system of claim ~~37~~ wherein said polymeric interlayer is plasticized polyvinylbutyral.

22
~~39~~ 21

The mirror mounting system of claim ~~38~~ wherein said curing of said film occurs at a temperature greater than about 125° F and less than about 325° F.

23
~~40~~ 21

The mirror mounting system of claim ~~38~~ wherein said mirror mounting button

24 ~~41.~~ 23

The mirror mounting system of claim ~~40~~ wherein said latent hardener comprises one of a dicyanodiamide ~~and~~ or a hindered amine.

25 ~~42.~~ 23

The mirror mounting system of claim ~~40~~ wherein said adhesive film has a thickness of ~~at least~~ about 0.005 inches.

26 ~~43.~~ 20 ~~37~~

The mirror mounting system of claim ~~42~~ wherein said adhesive film is one of a clear adhesive film ~~and~~ or a transparent adhesive film.

27 ~~44.~~ 20 ~~37~~

The mirror mounting system of claim ~~42~~ wherein said adhesive film is one of a gray adhesive film ~~and~~ or a black adhesive film.

28 ~~45.~~ 20 ~~37~~

The mirror mounting system of claim ~~42~~ wherein said adhesive film is die cut to the shape of said mounting button.

29 ~~46.~~ 20 ~~37~~

The mirror mounting system of claim ~~42~~ wherein said adhesive film is die cut to an area smaller than the area of said mounting button.

30 ~~47.~~ 20 ~~37~~

The mirror mounting system of claim ~~42~~ wherein said adhesive film is die cut to a shape and to an area smaller than the shape and area of said mounting button.

31 ~~48.~~ 20

The mirror mounting system of claim ~~37~~ wherein said mirror mounting button comprises a sintered steel mounting button.

32 ~~49~~ 31

The mirror mounting system of claim ~~48~~ wherein said latent hardener comprises a diocyanodiamide.

33 ~~50~~ 20

The mirror mounting system of claim ~~21~~ wherein said interior rearview mirror assembly has a weight exceeding about 200 grams.

34 ~~51~~ 33

The mirror mounting system of claim ~~50~~ wherein said interior rearview mirror assembly has a weight exceeding about 400 grams.

-52-

An interior rearview mirror mounting system for use on an automobile comprising:

a laminated windshield;

said windshield comprising a first bent glass panel having a front surface and a rear surface, and a second bent glass panel having a front surface and a rear surface;

a sheet of polymeric interlayer disposed between the rear surface of said first panel and the front surface of said second panel wherein said polymeric interlayer laminates said first and second panel together;

a mirror mounting button adhered to said rear surface of said second panel by a layer of substantially cured adhesive;

said layer of substantially cured adhesive being formed by disposing a film of a one-package, structural adhesive between said rear surface of said second panel and said mirror mounting button, and curing said film in an autoclave process to form a joint between said button and said windshield suitable to support an interior rearview mirror assembly;

said film of structural adhesive comprising an epoxy resin and a latent

wherein said curing of said film occurs at a temperature greater than about 125° F and less than about 325° F.

-53-

The mirror mounting system of claim 52 wherein said latent hardener comprises one of a dicyanodiamide and a hindered amine.

-54-

The mirror mounting system of claim 52 wherein said adhesive film has a thickness of ~~at least~~ about 0.005 inches.

-55-

The mirror mounting system of claim 54 wherein said latent hardener comprises one of dicyanodiamide ~~and~~ or a hindered amine.

-56-

The mirror mounting system of claim 54 wherein said interior rearview mirror assembly has a weight exceeding about 200 grams.

-57-

The mirror mounting system of claim 56 wherein said interior rearview mirror assembly has a weight exceeding about 400 grams.

-58-

The mirror mounting system of claim 54 wherein said adhesive film is one of a gray adhesive film ~~and~~ or a black adhesive film.

-59-

The mirror mounting system of claim 52 wherein said mirror mounting button comprises one of a sintered steel mounting button ~~and~~ or a die cast zinc mounting button.

-60-

The mirror mounting system of claim 59 wherein said mirror mounting button